

GILA RIVER BASIN

09472100 PECK CANYON TRIBUTARY NEAR REDINGTON, AZ

LOCATION.--Lat 32°29'12", long 110°30'00", SW¹/₄SW¹/₄ sec.10, T.11 S., R.18 E., Pima County, Hydrologic Unit 15050203, on left bank 0.2 mi upstream from mouth and 4 mi north of Redington.

DRAINAGE AREA.--8.02 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1968	08-09-68	650		1975	10-00-74	70	
1969	08-28-69	150		1976	07-19-76	110	
1970	08-14-70	73		1977	08-14-77	58	
1971	07-29-71	442		1978	10-07-77	69	
1972	08-12-72	4,340		1979	08-07-79	94	
1973	10-00-72	10	ES	1980	08-11-80	51	
1974	00-00-74	120		1981	07-20-81	100	

Magnitude and probability of instantaneous peak flow based on period of record 1968-81

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
118	402	793	1,680	2,780	4,410
Weighted skew	(logs) =	0.27			
Mean	(logs) =	2.10			
Standard dev.	(logs) =	0.61			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
146	9.3	3,680	0.0	1.0	11.7	1.7	3.9

